

Appendix III: Road Surface Area

DETERMINING ROAD SURFACE AREA

The following is intended as an aid to determining the surface area of roads.

- Determine the road acreage for each segment of the road system from the Road Surface Area table given below.
- Combine the acreage of each road segment to determine the total acreage of the entire road system.
- Multiply the total acreage of the road system by the recommended application/acre of the appropriate revegetating material (e.g., fertilizer, seed mix, mulch, etc.) to determine the total amount of materials needed.

Guide for Determining Road Surface Area

Road Length (FEET)	Road Width (FEET)						
	8	10	12	14	16	18	20
	A C R E S						
50	0.010	0.010	0.010	0.020	0.020	0.020	0.020
100	0.022	0.020	0.030	0.030	0.040	0.040	0.050
250	0.050	0.060	0.070	0.080	0.090	0.100	0.110
500	0.090	0.120	0.140	0.160	0.180	0.210	0.230
750	0.144	0.170	0.210	0.240	0.270	0.310	0.340
1,000	0.180	0.240	0.280	0.320	0.370	0.410	0.460
1,500	0.280	0.340	0.410	0.480	0.550	0.620	0.690
2,000	0.360	0.480	0.560	0.640	0.730	0.830	0.920
5,000	0.920	1.150	1.380	1.610	1.800	2.070	2.300
5,280	0.970	1.210	1.450	1.700	1.940	2.180	2.430

Wider road widths can be calculated by using multiples from the above table

Appendix III: Road Surface Area

DETERMINING ROAD SURFACE MATERIAL

The following is intended as an aid to determining the surface area of other disturbed forest sites.

- Determine the acreage of each disturbed forest site using the following formula:

average length X average width = total square feet

total square feet / 43,560 = acreage

- Combine the acreage of each site to determine the total acreage of all disturbed sites.

- Multiply the total acreage of the disturbed sites by the recommended application / acre of the appropriate revegetating material, such as fertilizer, seed mix, and mulch, to determine the total amount of materials needed.

Surface Material Determination for Roads

CUBIC YARDS OF SURFACING MATERIAL PER 100 FEET OF ROAD LENGTH

Road Width, feet	Surfacing Material Thickness, inches		
	2	4	6
8	5	10	15
10	6	12	19
12	7	15	22
14	9	17	26
16	10	20	30
18	11	22	33
20	12	25	37
22	14	27	41
24	15	30	44